

-	104	integrat\$3 with software with component\$1 with input	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/15 11:07
-	162	717/107.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/15 11:16
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- Human-computer interface management*, from a computer science viewpoint, focuses on the process of developing human-computer interfaces, including their representation, design, implementation, execution, evaluation, and maintenance. This survey presents important concepts of interface management: dialogue independence, structural modeling, interactive tools, rapid prototyping, development methodologies, and control structures. *Dialogue independence* is

- This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the components of Cedar and the way they are organized. Cedar supports the development of programs written in a programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers who include experimental programming and the development of prototype software systems for a high-performance computer. T ...

- The article presents the software architecture and implementation of the problem-solving environment (PSE) PEL modeling physical objects described by partial differential equations (PDEs). The scope of this PSE is broad, as PE incorporates many PDE solving systems, and some of these, in turn, include several specific PDE solving methods for 1D, 2D, and 3D elliptic or parabolic problems is quite broad, and it handles some hyperbolic problems, Since : p ...

Keywords: PDE language, execution models, knowledge bases, libraries, parallel reuse methodologies, problem-environments, programming-in-the-large, software bus

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1 [Abstracts for short papers: human-computer interaction and visualization: Augmented reality as a visualisation tool within information visualisation](#)

Hannah Slay, Jill Slay

September 2002 **Proceedings of the 2002 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology**

Full text available: pdf(97.11 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Command and Control (C2), an integral part of Information Warfare, is focused on the use of communications and computer systems to allow all kinds of warfare to be won. A major issued faced by military decision makers involved in C2 is the need to respond quickly to complex battle situations during a time of conflict. Military commanders operate within an historically hierarchical management structure, which now depends heavily on network-based information systems. Often the technical ...

Keywords: augmented reality, command and control systems, information visualisation, information warfare

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1 [Integration mechanisms in Cedar](#)

James Donahue

 June 1983 **Proceedings of the ACM SIGPLAN 85 symposium on Language issues in programming environments**, Volume 18 , 20 Issue 6 , 7

 Full text available: [pdf\(738.03 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The importance of integration in programming environments is well known. Perhaps the easiest way to build an integrated system is to build a closed system; the designers of the system can use whatever ad hoc techniques are available to make the pieces they provide hang together nicely. Many of the integrated editor/compiler/execution environments (like the Cornell Program Synthesizer) fall into this category [Teitelbaum81]. When building an open system, the problem for the design ...

2 [E-commerce workforce development strategies \(panel session\): a dialogue with industry](#)

Suzy Chan

 April 2000 **Proceedings of the 2000 ACM SIGCPR conference on Computer personnel research**

 Full text available: [pdf\(149.69 KB\)](#)

 Additional Information: [full citation](#), [abstract](#)

This panel provides a unique exchange of e-commerce workforce development strategies and models among industry and academic participants. The moderated dialogue will center on five topics: a) the issue of e-commerce ownership within organizations, b) the unique relationship among strategy, development methodology, and project management within an e-commerce environment, c) the composition of e-commerce development teams, d) workforce development strategies for e-commerce, and e) projected d ...

3 [Session: High availability in a real-time system](#)

Carlos Almeida, Brad Glade, Keith Marzullo, Robbert van Renesse

 September 1992 **Proceedings of the 5th workshop on ACM SIGOPS European workshop: Models and paradigms for distributed systems structuring**

 Full text available: [pdf\(463.36 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#)

The area of building *embedded real-time systems* is one in which the applications being designed are more advanced than the available underlying system support. Examples of such applications can be found in several fields, including robot control, avionics, and plant control systems. These systems all have hard real-time requirements: if a deadline is missed, then the result is catastrophic. Furthermore, such deadlines must often be met even in the face of bounded processor or n ...

4 [High availability in a real-time system](#)